

1
SEQUENCE LISTING

<110> Moore, et al.

<120> Keratinocyte Derived Interferon

<130> PF482

<140> Unassigned

<141> 1999-07-21

<150> 60/093,643

<151> 1998-07-21

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<170> PatentIn Ver. 2.0

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<213> Homo sapiens

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Gly Thr Leu Ser Leu Asp Cys Asn Leu Leu Asn Val His Leu Arg Arg
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Val Thr Trp Gln Asn Leu Arg His Leu Ser Ser Met Ser Asn Ser Phe
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Gln Gln Ala Glu Tyr Leu Asn Gln Cys Leu Glu Glu Asp Glu Asn Glu
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Phe Thr Ala Leu Phe Arg Arg Lys
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Leu Asn Val His Leu Arg Arg Val Thr Trp Gln Asn Leu Arg His Leu
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Ser Ser Met Ser Asn Ser Phe Pro Val Glu Cys Leu Arg Glu Asn Ile
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Ala Phe Glu Leu Pro Gln Glu Phe Leu Gln Tyr Thr Gln Pro Met Lys
 65 70 75 80

Arg Asp Ile Lys Lys Ala Phe Tyr Glu Met Ser Leu Gln Ala Phe Asn
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Ile Phe Ser Gln His Thr Phe Lys Tyr Trp Lys Glu Arg His Leu Lys
 100 105 110

Gln Ile Gln Ile Gly Leu Asp Gln Gln Ala Glu Tyr Leu Asn Gln Cys
 115 120 125

Leu Glu Glu Asp Glu Asn Glu Asn Glu Asp Met Lys Glu Met Lys Glu
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Asn Glu Met Lys Pro Ser Glu Ala Arg Val Pro Gln Leu Ser Ser Leu
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Glu Leu Arg Arg Tyr Phe His Arg Ile Asp Asn Phe Leu Lys Glu Lys
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Arg	Cys	Leu	Tyr	Tyr	Phe	Tyr	Lys	Phe	Thr	Ala	Leu	Pro	Ala	Leu	Thr
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Leu	Arg	Arg	Tyr	Phe	Gln	Gly	Ile	Arg	Val	Tyr	Leu	Lys	Glu	Lys	Lys
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Tyr	Ser	Asp	Cys	Ala	Trp	Glu	Val	Val	Arg	Met	Glu	Ile	Met	Lys	Ser
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Ser	Ser	Asn	Phe	Gln	Cys	Gln	Lys	Leu	Leu	Trp	Gln	Leu	Asn	Gly	Arg
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Tyr His Gln Ile Asn His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu
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Lys Glu Asp Phe Thr Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys
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Arg Tyr Tyr Gly Arg Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser
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 35 40 45

Pro His Phe Cys Leu Gln Asp Arg Lys Asp Phe Ala Leu Pro Gln Glu
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Met Val Glu Gly Gly Gln Leu Gln Glu Ala Gln Ala Ile Ser Val Leu
 65 70 75 80

His Glu Met Leu Gln Gln Ser Phe Asn Leu Phe His Thr Glu His Ser
 85 90 95

Ser Ala Ala Trp Asp Thr Thr Leu Leu Glu Pro Cys Arg Thr Gly Leu
 100 105 110

His Gln Gln Leu Asp Asn Leu Asp Ala Cys Leu Gly Gln Val Met Gly
 115 120 125

Glu Glu Asp Ser Ala Leu Gly Arg Thr Gly Pro Leu Ala Leu Lys Arg
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Tyr Phe Gln Gly Ile His Val Tyr Leu Lys Glu Lys Gly Tyr Ser Asp
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Tyr Ser Asp Cys Ala Trp Glu Val Val Arg Met Glu Ile Met Lys Ser

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 35 40 45

Pro Phe Ser Cys Leu Lys Asp Arg His Asp Phe Arg Ile Pro Gln Glu
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Glu Phe Asp Gly Asn Gln Phe Gln Asp Ala Gln Ala Ile Ser Val Leu
 65 70 75 80

His Glu Met Ile Gln Gln Thr Phe Asn Leu Phe Ser Thr Glu Asp Ser
 85 90 95

Ser Ala Ala Trp Glu Gln Ser Leu Leu Glu Lys Phe Ser Thr Glu Leu
 100 105 110

Tyr Gln Gln Leu Asn Asp Leu Glu Ala Cys Val Ile Gln Glu Val Gly
 115 120 125

Val Glu Glu Thr Pro Leu Met Asn Glu Asp Ser Ile Leu Ala Val Arg
 130 135 140

Lys Tyr Phe Gln Arg Ile Thr Leu Tyr Leu Ile Glu Arg Lys Tyr Ser
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Gly Asn Arg Arg Ala Leu Ile Leu Leu Ala Gln Met Gly Arg Ile Ser
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Pro Phe Ser Cys Leu Lys Asp Arg His Asp Phe Gly Phe Pro Gln Glu
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Glu Phe Asp Gly Asn Gln Phe Gln Lys Ala His Val Met Ser Val Leu
 65 70 75 80

His Glu Met Leu Gln Gln Ile Phe Ser Leu Phe His Thr Glu Arg Ser
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Ser Ala Ala Trp Glu Gln Ser Leu Leu Glu Lys Phe Ser Thr Glu Leu
 100 105 110

Asn Gln Gln Leu Asn Asp Leu Glu Ala Cys Val Ile Gln Glu Val Gly
 115 120 125

Val Glu Glu Thr Pro Leu Met Asn Val Asp Ser Ile Leu Ala Val Lys
 130 135 140

Lys Tyr Phe Gln Arg Ile Thr Leu Tyr Leu Thr Glu Lys Lys Tyr Ser
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Pro Cys Ala Trp Glu Val Val Arg Ala Glu Ile Met Arg Ser Phe Ser
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 35 40 45

Pro Phe Leu Cys Leu Lys Asp Arg Arg Asp Phe Arg Phe Pro Gln Glu
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Met Val Lys Gly Ser Gln Leu Gln Lys Ala His Val Met Ser Val Leu
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His Glu Met Leu Gln Gln Ile Phe Ser Leu Phe His Thr Glu Arg Ser
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Ser Ala Ala Trp Asn Met Thr Leu Leu Asp Gln Leu His Thr Glu Leu
100 105 110

His Gln Gln Leu Gln His Leu Glu Thr Cys Leu Leu Gln Val Val Gly
115 120 125

Glu Gly Glu Ser Ala Gly Ala Ile Ser Ser Pro Ala Leu Thr Leu Arg
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Arg Tyr Phe Gln Gly Ile Arg Val Tyr Leu Lys Glu Lys Lys Tyr Ser
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Gly Asn Arg Arg Ala Trp Ile Leu Leu Ala Gln Met Gly Arg Ile Ser
35 40 45

His Phe Ser Cys Leu Lys Asp Arg Tyr Asp Phe Gly Phe Pro Gln Glu
50 55 60

Val Phe Asp Gly Asn Gln Phe Gln Lys Ala Gln Ala Ile Ser Ala Phe
65 70 75 80

His Glu Met Ile Gln Gln Thr Phe Asn Leu Phe Ser Thr Lys Asp Ser
85 90 95

Ser Ala Ala Trp Asp Glu Thr Leu Leu Asp Lys Phe Tyr Ile Glu Leu
100 105 110

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Pro	Cys	Ala	Trp	Glu	Val	Val	Arg	Ala	Glu	Ile	Met	Arg	Ser	Phe	Ser	
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Phe	Ser	Thr	Asn	Leu	Gln	Lys	Gly	Leu	Arg	Arg	Lys	Asp	Met	Pro	Leu	
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Ser	Phe	Ser	Leu	Leu	Met	Ala	Val	Leu	Val	Leu	Ser	Tyr	Lys	Ser	Ile	
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Cys	Ser	Leu	Gly	Cys	Asp	Leu	Pro	Gln	Thr	His	Ser	Leu	Gly	Asn	Arg	
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Arg	Ala	Trp	Ile	Leu	Leu	Ala	Gln	Met	Gly	Arg	Ile	Ser	His	Phe	Ser	
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Gly	Asn	Gln	Phe	Gln	Lys	Ala	Gln	Ala	Ile	Ser	Ala	Phe	His	Glu	Met	
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Ile	Gln	Gln	Thr	Phe	Asn	Leu	Phe	Ser	Thr	Lys	Asp	Ser	Ser	Ala	Ala	
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Trp	Asp	Glu	Thr	Leu	Leu	Asp	Lys	Phe	Tyr	Ile	Glu	Leu	Phe	Gln	Gln	
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Leu	Asn	Asp	Leu	Glu	Ala	Cys	Val	Thr	Gln	Glu	Val	Gly	Val	Glu	Glu	
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Ile	Ala	Leu	Met	Asn	Glu	Asp	Ser	Ile	Leu	Ala	Val	Arg	Lys	Tyr	Phe	
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Gln	Arg	Ile	Thr	Leu	Tyr	Leu	Met	Gly	Lys	Lys	Tyr	Ser	Pro	Cys	Ala	
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Trp	Glu	Val	Val	Arg	Ala	Glu	Ile	Met	Arg	Ser	Phe	Ser	Phe	Ser	Thr	
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Met Ala Phe Val Leu Ser Leu Leu Met Ala Leu Val Leu Val Ser Tyr
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 20 25 30

Gly Ala Arg Glu Asn Leu Arg Leu Leu Ala Arg Met Asn Arg Leu Ser
 35 40 45

Pro His Pro Cys Leu Gln Asp Arg Lys Asp Phe Gly Leu Pro Gln Glu
 50 55 60

Met Val Glu Gly Asn Gln Leu Gln Lys Asp Gln Ala Ile Ser Val Leu
 65 70 75 80

His Glu Met Leu Gln Gln Cys Phe Asn Leu Phe Tyr Thr Glu His Ser
 85 90 95

Ser Ala Ala Trp Asn Thr Thr Leu Leu Glu Gln Leu Cys Thr Gly Leu
 100 105 110

Gln Gln Gln Leu Glu Asp Leu Asp Ala Cys Leu Gly Pro Val Met Gly
 115 120 125

Glu Lys Asp Ser Asp Met Gly Arg Met Gly Pro Ile Leu Thr Val Lys
 130 135 140

Lys Tyr Phe Gln Gly Ile His Val Tyr Leu Lys Glu Lys Glu Tyr Ser
 145 150 155 160

Asp Cys Ala Trp Glu Ile Ile Arg Met Glu Met Met Arg Ala Leu Ser
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Asn Ser Leu
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 35 40 45

Pro His Ser Cys Leu Gln Asp Arg Lys Asp Phe Gly Leu Pro Gln Glu
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 Met Val Glu Gly Asp Gln Leu Gln Lys Asp Gln Ala Phe Pro Val Leu
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 Tyr Glu Met Leu Gln Gln Thr Phe Asn Leu Phe His Thr Glu His Ser
 85 90 95
 Ser Ala Ala Trp Asp Thr Thr Leu Leu Glu Gln Leu Cys Thr Gly Leu
 100 105 110
 Gln Gln Gln Leu Glu Asp Leu Asp Thr Cys Cys Arg Gly Gln Val Met
 115 120 125
 Gly Glu Glu Asp Ser Glu Leu Gly Asn Met Asp Pro Ile Val Thr Val
 130 135 140
 Lys Lys Tyr Phe Gln Gly Ile Tyr Asp Tyr Leu Gln Glu Lys Gly Tyr
 145 150 155 160
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 Leu Asn Ser Pro
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 Gln Leu Cys Leu Lys Asp Arg Ile Asp Phe Lys Phe Pro Trp Lys Arg
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 Glu Ser Ile Thr Gln Leu Gln Lys Asp Gln Ala Phe Pro Val Leu Tyr
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 Glu Met Leu Gln Gln Thr Phe Asn Leu Phe His Thr Glu His Ser Ser
 85 90 95

13

Ala Ala Trp Asn Thr Thr Leu Leu Asp Gln Leu Leu Ser Ser Leu Asp
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 Leu Gly Leu Arg Arg Leu Glu His Met Lys Lys Asp Asn Met Asp Cys
 115 120 125
 Pro His Val Gly Ser Ala Leu Arg Lys Tyr Phe Gln Gly Ile Gly Leu
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 Ser Ser Glu Arg Ile Asp Lys Gln Ile Arg Tyr Ile Leu Asp Gly Ile
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 Ser Ala Leu Arg Lys Glu Thr Cys Asn Lys Ser Asn Met Cys Glu Ser
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 Lys Glu Asp Gly Cys Phe Gln Ser Gly Phe Asn Glu Glu Thr Cys Leu
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 Val Lys Ile Ile Thr Gly Leu Leu Glu Phe Glu Val Tyr Leu Glu Tyr
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Pro Gln His Cys Leu Glu Ala Arg Met Asp Phe Gln Met Pro Glu Glu
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Met Lys Gln Ala Gln Gln Phe Gln Lys Glu Asp Ala Ile Leu Val Ile
 65 70 75 80

Tyr Glu Met Leu Gln Gln Ile Phe Asn Ile Leu Thr Arg Asp Phe Ser
 85 90 95

Ser Thr Gly Trp Ser Glu Thr Ile Ile Glu Asp Leu Leu Glu Glu Leu
 100 105 110

Tyr Glu Gln Met Asn His Leu Glu Pro Ile Gln Lys Glu Ile Met Gln
 115 120 125

Lys Gln Asn Ser Thr Met Gly Asp Thr Thr Val Leu His Leu Arg Lys
 130 135 140

Tyr Tyr Phe Asn Leu Val Gln Tyr Leu Lys Ser Lys Glu Tyr Asn Arg
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Cys Ala Trp Thr Val Val Arg Val Gln Ile Leu Arg Asn Phe Ser Phe
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Thr Thr Ala Leu Ser Arg Ser Tyr Ser Leu Leu Arg Phe Gln Gln Arg
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Gln Ser Leu Lys Glu Cys Gln Lys Leu Leu Gly Gln Leu Pro Ser Thr
35 40 45

Ser Gln His Cys Leu Glu Ala Arg Met Asp Phe Gln Met Pro Glu Glu
50 55 60

Met Lys Gln Glu Gln Gln Phe Gln Lys Glu Asp Ala Ile Leu Val Met
65 70 75 80

Tyr Glu Val Leu Gln His Ile Phe Gly Ile Leu Thr Arg Asp Phe Ser
85 90 95

Ser Thr Gly Trp Asn Ser Thr Thr Glu Asp Thr Ile Val Pro His Leu
 100 105 110

Gly Lys Tyr Tyr Phe Asn Leu Met Gln Tyr Leu Glu Ser Lys Glu Tyr
 115 120 125

Asp Arg Cys Ala Trp Thr Val Val Gln Val Gln Ile Leu Thr Asn Val
 130 135 140

Ser Phe Leu Met Arg Leu Thr Gly Tyr Val Arg Asp
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Met Ser Tyr Asn Leu Leu Gly Phe Leu Gln Arg Ser Ser Asn Phe Gln
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Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys Leu
 20 25 30

Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu Ile Lys Gln Leu Gln
 35 40 45

Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu Gln
 50 55 60

Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser Ser Thr Gly Trp Asn
 65 70 75 80

Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile Asn
 85 90 95

His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu Lys Glu Asp Phe Thr
 100 105 110

Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly Arg
 115 120 125

Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser His Cys Ala Trp Thr
 130 135 140

Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr Phe Ile Asn Arg Leu
 145 150 155 160

Thr Gly Tyr Leu Gly Asn
 165